

IN THE CLAIMS

This listing of claims will replace all prior versions, and listings, of claims in the application. An identifier indicating the status of each claim is provided.

Listing of Claims:

1 (Currently Amended) A transmitting apparatus for transmitting contents data and corresponding meta data over a network, comprising:
contents storing means for storing contents data comprising broadcast programs and corresponding meta data in a broadcast format;
meta data schema storing means for storing a meta data schema defining a data structure for said meta data that is compatible with a network transmission format;
contents segmenting means for segmenting said contents data and generating segmentation information of the contents data;
contents converting means for converting the segmented contents data into said network transmission format;
meta data combining means for combining the corresponding meta data and segmentation information for the segmented contents data corresponding to the meta data schema;
meta data converting means for converting the meta data and segmentation information from the broadcast format into the network transmission format,
wherein the broadcast programs are restructured by a user based on the segmentation information, the meta data schema and the meta data being transferred according to the restructured broadcast programs, and

wherein the meta data schema is transmitted to a receiving apparatus and updated by the receiving apparatus according to a user's favorite before the meta data is transmitted so that the meta data of each segmented contents data is selectively delivered based on the updated meta data schema, and

wherein said meta data converting means converts the meta data with the segmentation information and represents the meta data with the segmentation information in a descriptor format of an MPEG system section;

meta data schema converting means for converting the meta data schema into the network transmission format; and

transmitting means for transmitting the converted meta data and segmentation information, the converted meta data schema, and the converted contents data in the network transmission format over the network.

2 (Currently Amended) A transmitting apparatus for transmitting contents data and corresponding meta data over a network, comprising:

contents storing means for storing contents data comprising broadcast programs and corresponding meta data in a broadcast format;

meta data schema storing means for storing a meta data schema defining a data structure for said meta data that is compatible with a network transmission format;

contents segmenting means for segmenting said contents data and generating segmentation information of the contents data;

contents converting means for converting the segmented contents data into said network transmission format;

segmentation information storing means for storing the segmentation information of the contents data;

meta data combining means for correlating an identifier of the segmentation information with the corresponding meta data for the segmented contents data, the corresponding meta data being combined with the segmented contents data corresponding to the meta data schema;

meta data converting means for converting the meta data and identifier into the network transmission format, wherein said meta data converting means converts the meta data with the segmentation information and represents the meta data with the segmentation information in a descriptor format of an MPEG system section;

meta data schema converting means for converting the meta data schema from the broadcast format into the network transmission format;

segmentation information converting means for converting the segmentation information into the network transmission format; and

transmitting means for transmitting the converted meta data and identifier, the converted meta data schema, the converted segmentation information, and the converted contents data in the network transmission format over the network,

wherein the broadcast programs are restructured by a user based on the segmentation information, the meta data schema and the meta data being transferred according to the restructured broadcast programs, and

wherein the meta data schema is transmitted to a receiving apparatus and updated by the receiving apparatus according to a user's favorite before the meta data is transmitted so that the meta data of each segmented contents data is selectively delivered based on the updated meta data schema.

3 (Previously Presented) The transmitting apparatus as set forth in claim 1, wherein said meta data schema converting means converts the meta data schema and represents the meta data schema in an MPEG system section format.

4 (Cancelled)

5 (Currently Amended) A receiving apparatus for receiving contents data and corresponding meta data transmitted over a network, comprising:
receiving means for receiving segmented contents data comprising broadcast programs, corresponding meta data and segmentation information, and a meta data schema in a network transmission format from the network, the corresponding meta data being combined with the segmented contents data corresponding to the meta data schema,

wherein said corresponding meta data includes electronic program guide data converted for transmission from a broadcast transmission format into said network transmission format, and

wherein said meta data with said segmentation information is represented in a descriptor format of an MPEG system section;

meta data schema storing means for storing the received meta data schema defining a data structure for the corresponding meta data;

meta data storing means for storing the received meta data and segmentation information corresponding to the segmented contents data;

meta data analyzing means for analyzing the stored meta data and segmentation information on the basis of the meta data schema; and

contents reproduction controlling means for controlling reproduction of the segmented contents data on the basis of the segmentation information analyzed by said meta data analyzing means,

wherein the broadcast programs are restructured by a user based on the segmentation information, the meta data schema and the meta data being transferred according to the restructured broadcast programs, and

wherein the receiving apparatus updates the meta data schema according to a user's favorite and transmits the updated meta data schema to a transmitting apparatus before receiving the meta data so that the meta data of each segmented contents data is selectively delivered based on the updated meta data schema.

6 (Currently Amended) A receiving apparatus for receiving contents data and corresponding meta data transmitted over a network, comprising:

receiving means for receiving segmented contents data comprising broadcast programs, corresponding meta data and an identifier, segmentation information, and a meta data schema in

a network transmission format from the network, the corresponding meta data being combined with the segmented contents data corresponding to the meta data schema,

wherein said corresponding meta data includes electronic program guide data converted for transmission from a broadcast transmission format into said network transmission format, and

wherein said meta data with said segmentation information is represented in a descriptor format of an MPEG system section;

meta data schema storing means for storing the received meta data schema defining a data structure for the corresponding meta data;

meta data storing means for storing the received meta data and identifier corresponding to the segmentation information for the contents data;

segmentation information storing means for storing the received segmentation information;

meta data analyzing means for analyzing the stored meta data on the basis of the meta data schema, and the stored segmentation information on the basis of the identifier; and

contents reproduction controlling means for controlling reproduction of the segmented contents data on the basis of the segmentation information analyzed by said meta data analyzing means,

wherein the broadcast programs are restructured by a user based on the segmentation information, the meta data schema and the meta data being transferred according to the restructured broadcast programs, and

wherein the receiving apparatus updates the meta data schema according to a user's favorite and transmits the updated meta data schema to a transmitting apparatus before receiving the meta data so that the meta data of each segmented contents data is selectively delivered based on the updated meta data schema.

7 (Previously Presented) The transmitting apparatus as set forth in claim 2, wherein said meta data schema converting means converts the meta data schema and represents the meta data schema in an MPEG system section format.

8 (Cancelled)